



K-FLEX 3000 C H.F

Description : EMC-compliant Halogen Free Control Cable with improved characteristics in case of fire.
Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Halogen free insulation compound type TI6 according to HD 21.14 S1 annex A
Black numbered cores with or without green yellow core
Halogen free inner jacket compound type **TM7** acc. to HD 21.14 S1 annex B
Tinned copper screening with coverage 85% ± 5%
Halogen free outer jacket compound type **TM7** acc. to HD 21.14 S1 annex B

Manufacturing's Controls: Test and Control according to our certificated **ISO 9001-2015 CSQ-IMQ (EQ-NET)** Quality System procedure.

Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports

Norms : Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)
No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
Low smoke density according to IEC 61034
CPR classification: Dca, s1, d1, a1 (It satisfies the non-flame propagation test, with the requirement of non-fire propagation and with emitted heat limits for this class).
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 300/500V
- Spark Test voltage : 3000 V
- Working temperature : Occasional flexing: -15°C to +70°C
Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use : Environmentally friendly, EMC-compliant, halogen-free Control Cable
Especially for electrical equipment and installations in industrial environments, dry or damp interiors. Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuously recurring movement without tensile load or compulsory guidance. Outdoor use with UV-protection only, considering the temperature range. Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards